European Soccer Transfers

Problem: European soccer clubs spend enormous amounts of money on new players every year. I want to see if clubs that spend more on new players typically see an improvement in the results they achieve on the field.

Clients: Soccer club executives can use this to help guide how much they choose to spend on players, while scouts will be able to use this to inform them on which leagues are producing players that have a significant impact on results.

Data: https://www.kaggle.com/hugomathien/soccer
        https://www.kaggle.com/vardan95ghazaryan/transfers-in-1617-season

Outline: To generate the necessary data, I will need to create win and loss columns for each team and year, as well as money spent in a given year. Then, I will test to see if teams that are showing improving results are spending more money than teams with steady or declining results. I will also test for a correlation between results and purchased player attributes such as age, origin league, and position, which would help guide future scouting and spending.

Deliverable: Code and a paper